

# Cable Options & Ordering Information

## Cable Options

It is essential that the type of cable ordered is suitable for its intended use. Cable choice will be based on a whole range of factors including installation requirements, relevant local regulations and the electrical characteristics of appropriate cable types. The factors to be considered are:

- Nominal voltage of system.
- Highest voltage of system.
- Impulse withstand voltage.
- System frequency.
- Maximum rated current.
- For continuous operation.
  - For cyclic operation ( a load curve is essential )
  - For overload operation, if any ( duration is essential )
- Symmetrical and asymmetrical short circuit current , both between pulses and to earth.
- Duration of fault in second.
- Required screen bonding scheme
  - Both ends bonded
  - Single point bonded
  - Cross bonded

## Ordering Information

### **VDE CODE: ABCDEFGH**

#### A. Conductor

N- Standard construction in accordance to VDE standard (copper conductor)

NA- Aluminium conductor

NFA- Standard construction for twisted cable (aluminium conductor)

#### B. Insulation Material

Y- PVC

2X- XLPE

3G- EPR

#### C. Concentric Conductor Shielding Material

C- Concentric conductors of copper wires and copper tape, helically wounded

CW- Concentric conductors of copper wires in waveconal formation and and copper tape, helically wounded

CE- Concentric conductors of copper wires and copper tape over each individual conductor, helically wounded

Blank- No screen



# Caledonian Medium Voltage Cables

## D. Shielding Material

S- Shielding of copper wires and copper tape, helically wounded

SE- Shielding of copper wires and copper tape over each individual conductor, helically wounded

(F)- Longitudinally water proof shielding

Blank- No screen

## E. Bedding Material

2Y- PE

Y- PVC

H- LSZH

K- Lead sheath

Blank- No bedding

## F. Armoring Material

B- Double steel tape armouring

R- Round steel wire armouring

F- Flat steel wire armouring

Gb- Helical steel tape armouring

Blank- No armour

## G. Jacket Material

2Y- PE

Y- PVC

H- LSZH

K- Lead sheath

## H. Cable Types

J- Cables with green-yellow conductor are marked with protective conductor

O- Cables without green-yellow conductor are marked without protective conductor

## Caledonian Order Code

### MVA-BCDEFGH-IJ

#### A Cable Design Standard

6622- BS6622 standard

7835- BS7835 standard

502- IEC60502 standard

276- VDE0276 standard

#### B Conductor

A- Aluminium conductor

Blank- Copper conductor

#### C Insulation Material

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Y- PVC  
2X-XLPE  
3G-EPR

## D Concentric Conductor Shielding Material

C- Concentric conductors of copper wires and copper tape, helically wound  
CW- Concentric conductors of copper wires in waveconal formation and and copper tape, helically wound  
CE- Concentric conductors of copper wires and copper tape over each individual conductor, helically wound  
Blank- No screen

## E Shielding Material

S- Shielding of copper wires and copper tape, helically wound  
SE- Shielding of copper wires and copper tape over each individual conductor, helically wound  
(F)- Longitudinally water proof shielding  
Blank- No screen

## F Bedding Material

2Y- PE  
Y- PVC  
H- LSZH  
K- Lead sheath  
Blank- No bedding

## G Armoring Material

M: Steel wire armour  
MA: Aluminium wire armour  
F: Steel tape armour  
FA: Aluminium tape armour  
F2: Double steel tape armour  
F3: Flat steel wire armour

## H Jacket Material

2Y- PE  
Y- PVC  
H- LSZH  
K- Lead Sheath

## I No of Cores

3C- 3 Cores

## J Conductor Size

185- 185 sq mm  
8A- 8AWG

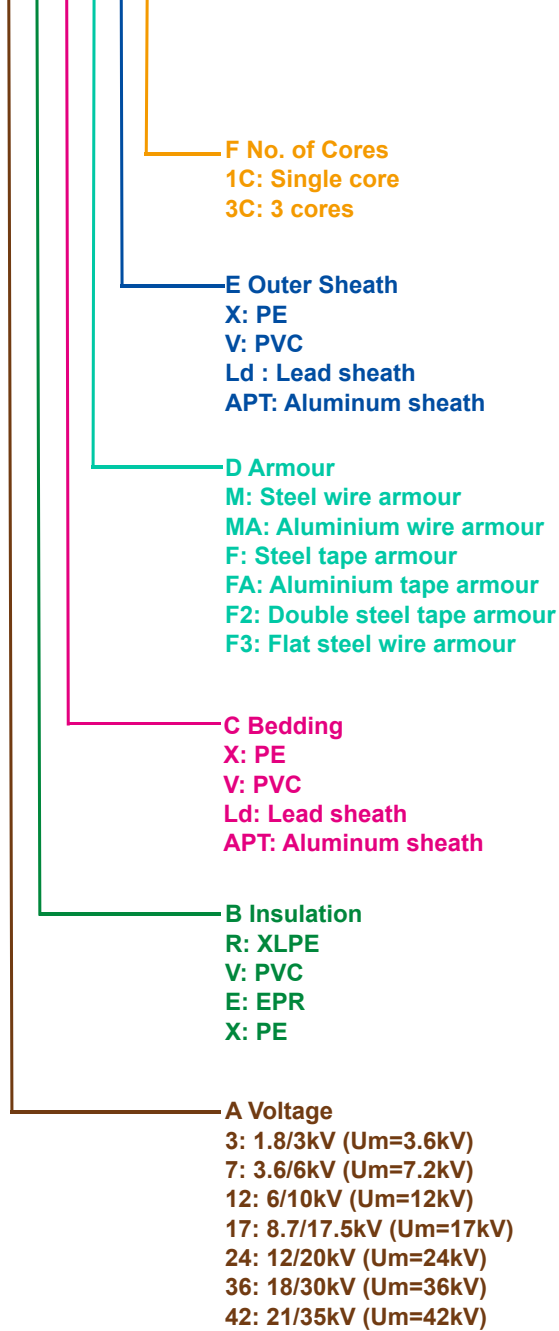


# Caledonian Medium Voltage Cables

## Ordering Information

### TYPE CODES FOR MEDIUM VOLTAGE CABLES

FGD400 A-B-C-D-E-F



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